

Title (en)

HYBRID POWER SYSTEM AND CONTROL METHOD

Title (de)

HYBRIDLEISTUNGSSYSTEM UND STEUERUNGSVERFAHREN

Title (fr)

SYSTÈME D'ALIMENTATION ET PROCÉDÉ DE COMMANDE HYBRIDE

Publication

**EP 3791467 A4 20220126 (EN)**

Application

**EP 19799731 A 20190509**

Priority

- US 201862669047 P 20180509
- IB 2019053832 W 20190509

Abstract (en)

[origin: WO2019215665A1] A novel hybrid power system and control method. The system and method controls the operation of each of a prime mover, such as an internal combustion engine, and an electrical generator and rectifier to provide necessary power to a variable electrical load. The system and method operate to meet the demands of the variable electrical load while operating to keep the prime mover at, or near, a specified operating speed.

IPC 8 full level

**H02P 9/04** (2006.01); **B60L 50/12** (2019.01); **B60W 20/00** (2016.01); **B64D 27/24** (2006.01); **H02J 1/00** (2006.01); **H02J 15/00** (2006.01); **H02K 7/18** (2006.01); **H02K 29/00** (2006.01); **H02M 7/219** (2006.01)

CPC (source: EP US)

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Citation (search report)

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- [A] US 2016065003 A1 20160303 - PRESTON MARK A [US]
- [A] US 2008238108 A1 20081002 - EDELSON JONATHAN SIDNEY [US], et al
- [A] US 7330016 B2 20080212 - COLLEY BRUCE H [US]
- [A] US 8544575 B1 20131001 - SCARINGE ROBERT P [US], et al
- [A] XIE YE ET AL: "Modelling and control of a hybrid electric propulsion system for unmanned aerial vehicles", 2018 IEEE AEROSPACE CONFERENCE, IEEE, 3 March 2018 (2018-03-03), pages 1 - 13, XP033365201, DOI: 10.1109/AERO.2018.8396436
- See references of WO 2019215665A1

Designated contracting state (EPC)

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